# Purchasing Receipts

Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada Tel (613) 632-5200

7/9/2018

Print

L	S	S	U)	0	T
Supplier	\$331.80 Metaux Solutions	\$1,725,60 Metaux Solutions	\$1,315.20 Metaux Solutions	\$501.60 Metaux Solutions	
Total	\$331.80	\$1,725.60	\$1,315.20	\$501.60	\$2 962 72
ast					69
Aging P Days	r	м	m	n	
Price/Unit Aging Past Days	\$ 27.65 / ft	\$ 431.40 / 11	\$ 438.40 / ft	\$ 83.60 / ft	
Receive Date	7/6/2018	7/6/2018	7/6/2018	7/6/2018	
Status	Stock	Stock	Stock	Stock	
Container	S089914	S089915	5089916	S089917	
Received Accounting Container Quantity Job No No					
Received / Quantity	12	4	n	ω	25
Due Date	12.7/10/2018				
Order	12	4	6	Φ	25
Project Equipment Order ID Qty					Total:
Project					
For No					
Description	17-4 SS Round Bar H1150 0.75" dia.: MATERIAL: 17-4 PH CONDITION H1150 rsceive ft	17-4 SS Round Bar Ø3.75" : MATERIAL: 17-4 PH / S 17400 / TYPE 630 SR COUND BAR GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD MINIMUM VIELD MINIMUM ULTIMATE STRENGTH PER TABLE STRENGTH PER TABLE	303 Round Bar Ø5.000: MATERIAL: AISI 303 SS ROUND BAR (NOTE: ASI 304/318 NOT ACCEPTABLE) SPECIFICATION: ASTM A562	M6061T6B3.000X5.000 606176 Bar 3.000 X 5.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS-QQ-A-209/8 OR AMS-QQ-A-200/8 OR AM	
Purchased Item	M17-4-H1150-R0,750	M17-4-H900-R3.750	M303R5.000	M6061T6B3.000X5.000	
Terms	1 Net 30				
Rel					
Item No		N	м	4	
<u></u>	MES002-				
PO No	PC040263 MES002-				

Plex 7/9/2018 8:12 AM dart. Tollis. Andrew

Shipping Order

05/07/2018

METAUX SOLUTIONS INC

2625 BOUL JACQUES CARTIER EST LONGUEUIL, QUEBEC

J4N 1L7

Tel.: 450 641-3330

Order

: 136259

Reference

: 040263

Ship

: PICK UP / PICK UP

Customer: 6323336

Ship To

DART AEROSPACE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO

K6A 1K7

Same

Tel.: 1613632-3336

Item No.	Description	Qty	Qty. Deliver	B/O Qty
	******* FACTURER E-MAIL ******** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SR34174	17-4PH ROU .750 DIA COND. H1150	12	12	0
	1 X 12' R/L ******		10	
	HT,9sh0212-ge1) AT			
SR334174	ST 17-4PH ROU 3.750 DIA	4	4	0
	1 X 48" ******	-		4
	HT, 746h) AT			
R53	303 ROU 5.000 DIA	3	3	0
	1 X 36" *****	3		<u> </u>
	HT(754F) A7			
F35	ALU FLA 3.000" X 5" 6061-T6	6	to	0
	1 X 72"	0		-4
	HT;201811156			
	- A			

SHIP JOURNEY COLLECT JP

Ref. :\_\_\_\_\_

Shipping :

Package No :

Merchandise Received:



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

### PURCHASE ORDER PO040263

Tel (613) 632-5200

Supplier: MES002-VC

Metaux Solutions

2625 boul Jacques-Cartiler Est

Longueuil QC

J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044 PO No:

PO040263

PO Date: Due Date: 6/20/18 6/29/18

Purchase Order

Revision: Revision Date:

Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com

Ship To:

1270 Aberdeen Street

Hawkesbury ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: bid 27864

			Ite	ms						
Line Item Job	Part	Supplier Part No	Description	Status	Due Date		Received Quantity		Unit Price (CAD)	Extended Price
A	M17-4-H1150-R0.750	A Village of the last of the l	17-4 SS Round Bar H1150 0.75" dia. : MATERIAL: 17-4 PH CONDITION H1150 receive ft	Firmed	6/29/18	12 ft	izer	12 ft	\$27.65/ft	\$331.80
2/AT	M17-4-H900-R3.750		17-4 SS Round Bar Ø3.75" : MATERIAL: 17-4 PH / S 17400 / TYPE 630 SS ROUND BAR GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE SPECIFICATION: AMS 5643 OR ASTM A564	Firmed	6/29/18	417	uft VI	411	\$431.40/ft	\$1,725.60
3/ AT	M303R5.000		303 Round Bar Ø5.000 : MATERIAL: AISI 303 SS ROUND BAR (NOTE: AIS1 304/316 NOT ACCEPTABLE) SPECIFICATION: ASTM A582	Firmed	6/29/18	3 ft	3 ff	3 ft	\$438.40/ft	\$1,315.20

			Ite	ms					
line tem Job	Part	Supplier Part No	Description	Status	Due Date		Received Quantity	Unit Price (CAD)	Extended
Á	M6061T6B3.000X5.000		6061T6 Bar 3.000 X 5.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS-QQ- A-220/8 OR AMS-QQ- A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft		6/29/18	6 ft			

**Order Notes** 

**Procurement Quality Clauses** 

A005 right of entry

A012 chemical and physical test report A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/20/18 10:23 AM dart.lavoie.chantal

Bid

12/06/2018

27864

METAUX SOLUTIONS INC 2625 BOUL JACQUES CARTIER EST LONGUEUIL, QUEBEC

J4N 1L7

Tel.: 450 641-3330

Sales Rep.

: JEROME PRIMEAU

Reference

: chantal Expiration Date: 10/09/2018

Customer: 6323336

DART AEROSPACE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO

K6A 1K7

Ship To:

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Price	Total	Tx
	******* FACTURER E-MAIL ******** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			,	
SR34174	17-4PH ROU .750 DIA cond. h1150	12	27.65	331.80	Α
	1 x 12' r/l				
SR312174	17-4PH ROU 3-500 DIA cond	24	222.25	5 334.00	A
	2 x 12' r/l				
SR4174PH	17-4 PH STAIN ROU 4.00" DIA cond. h1150	6	365.60	2 193.60	A
	1 x 72"				
SR334174	ST 17-4PH ROU 3.750 DIA cond. h900	4	431.40	1 725.60	A
	1 x 48"				
SR53	303 ROU 5.000 DIA	3	438.40	1 315.20	A
	1 x 36"				
SR13	303 ROU 1.000 DIA	12	18.30	219.60	- A
	1 x 12' r/l				
SR3344	304 ROU 3.750 DIA	3	285.05	855.15	A
	1 x 36"				
DT7818	MS TUB .875 X .125 SMLS	100	4.15	415.00	_ A
	5 x 17/24' r/l				
MR241H	4140 HTSR ROU 2.000 DIA	3	25.00	75.00	A
	1 x 36" no 4130				

Bid

12/06/2018

27864

METAUX SOLUTIONS INC 2625 BOUL JACQUES CARTIER EST LONGUEUIL, QUEBEC

J4N 1L7

Tel.: 450 641-3330

Sales Rep.

: JEROME PRIMEAU

Reference

: chantal Expiration Date: 10/09/2018

Customer: 6323336

DART AEROSPACE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO

K6A 1K7

Ship To:

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Price	Total	Tx
F14301	KETOS GFS .250 X 3 FL 36 CAN	1	101.30	101.30	A
	1 pce				
MP1241H	4140 HTSR PLATE TFHT .500"	41	4.50	184.50	_ A
	1 x 3.5" x 72"				
SP121272	304 PLT .500 X 12 X 72	1	538.45	538.45	— A
	1 PCE				
AF2144	6061-T6 FLAT 2.25 X 4	12	53.05	636.60	_ A
	1 X 12'				
AF212412	ALU FLA 2.5" X 4.5" 6061 T-6	6	106.10	636.60	_ A
	1 × 72"				
AF114212	ALU FLA 1.250 X 2.500 6061-T6	12	18.65	223.80	A
	1 X 12'				
AF35	ALU FLA 3.000" X 5" 6061-T6	6	83.60	501.60	Α
	1 X 72*				
AP13410	6061-T6 PLT 1.75 X 10 X 144	2	1342.80	2 685.60	А
	2 PCES				
AP1814475	7075-T6 PLT 1 X 8 X 144		2038.45	2 038.45	_ A
	1 X 12'				
ŠĘ1142174	17-4PH FLAT 1.250 X 2.00	24	65.00	1 560.00	A
	2 X 12' R/L				
MR3841H	4140 HTSR 375" DIA	24	5.85	140.40	A
	2 X 12'				

Bid

12/06/2018

27864

METAUX SOLUTIONS INC 2625 BOUL JACQUES CARTIER EST LONGUEUIL, QUEBEC

> DART AEROSPACE LTD 1270, ABERDEEN STREET

HAWKESBURY, ONTARIO

J4N 1L7

Tel.: 450 641-3330

Sales Rep.

: JEROME PRIMEAU

Reference

: chantal

Expiration Date: 10/09/2018

Customer: 6323336

K6A 1K7

Ship To:

Same

Tel.: 1 613 632-3336

Item No.

Description

Qty

Price

Total

Tx

5/7 DAYS

Subtotal 21 712.25 HST : A) Regist: 2 822.59

Total:

24 534.84

Page 01 of 02

Certification Date 4-JUL-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44997-J

PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number T381418

510437 SOLD TO: METAUX SOLUTIONS INC. SHIP TO: METAUX SOLUTIONS (RIVE-SUD) VENDU À: EXPÉDIÉ À: 2625 BOUL JACQUES CARTIER EST 2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1L7 LONGUEUIL QC J4N 1 Description: (17-4) CF BAR COND H1150 ASTM A564 3/4 RD X 12' R/L HEAT: 9SH0212-GED Line Total: 18 LB ITEM: 510437 Specifications: AMS 5643 U ASTM A564 T630 13 ASME SA564 T630 13 ASTM A370 16 ASTM A388 16A ASTM A484 16 AMS 2303 F EN 10204 3.1 CHEMICAL ANALYSIS SI MN P C NI CR S MO 0.01 0.37 0.57 0.02 0.01 4.70 15.27 0.10 CU CO NBTA N NB 3.30 0.051 0.25 0.031 0.24 RCPT: R428685 COUNTRY OF ORIGIN : TAIWAN \_\_\_\_\_\_\_ MECHANICAL PROPERTIES \_\_\_\_\_\_\_ ULT TEN YLD STR %ELONG %RED HARDNESS KSI DESCRIPTION KSI IN 02 IN IN AREA RC COND H1150 137.0 152.0 17.5 68.0 GRAIN SIZE :8 -

IMPACT TEST

UOM ft-lbs

LAT SHEAR EXPN DESCRIPTION

TYPE TEMP ORNT SMPI#1 #2 #3 AUC SHEAR EXPN DESCRIPTION
CHAR The above data were transcribed from the manufacture is Certificate of Test after verification 58.

7 Material did not come in contact with mercury while in our possession Par less présentes, nous certifions que le matériel results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vénification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-

JOANNE DESPRES

eurne Kenprei

Page 02 of 02

Certification Date 4-JUL-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44997-J PART NUMBER/NUMÉRO DE PIÈCE EARLE M JORGENSEN CAN DIV RMCL 1255, AVE LAPLACE VILLE DE LAVAL QC H7C 2N6

Invoice Number T381418

510437

SOLD TO: VENDU À:

METAUX SOLUTIONS INC.

SHIP TO: EXPÉDIÉ À:

METAUX SOLUTIONS

(RIVE-SUD)

2625 BOUL JACQUES CARTIER EST

LONGUEUIL QC J4N 1L7

2625 BOUL JACQUES CARTIER EST

LONGUEUIL OC J4N 1

Description:

17-4 CF BAR COND H1150

ASTM A564

Line Total: 18 LB

3/4 RD X 12' R/L

HEAT: 9SH0212-GE1 ITEM: 510437

MATERIAL IS FREE FROM MERCURY CONTAMINATION NO WELD REPAIR PERFORMED ON MATERIAL

MACRO: OK MICRO1:

MICRO CONTAINS NO MORE THAN 5% FERRITE

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des specifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

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Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites cihaut.

JOANNE DESPRES

game Keepree

SPECIFICATION CONTROL DRAWING

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PURCHASE MATERIAL (174 PH) S17400 / TYPE 630 SS ROUND BAR SRAIMMUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION: PART NUMBER:

<0<

AMS 5643 OR ASTM A564

M17-4-| HHHHH- |R | XXXXX | WHERE: HHHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW) | COND | COND | CO.D. |

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MATERIAL CONDITION TABLE:

150	190	170	155	145	140	135	estratistis a programma esta esta esta del para
100	170	155	145	125	115	105	
(CONDITION A NOT ACCEPTABLE)	H900	H925	H1025	H1075	H1100	H1150	(SOLUTION TREATED)
(OMITTED)	H900	, H925	H1025	H1075	H1100	H1150	CONDA
	NONE SPECIFIED (CONDITION A NOT ACCEPTABLE)	NONE SPECIFIED   100   CONDITION A NOT   ACCEPTABLE   H900   170	NONE SPECIFIED   100   CONDITION A NOT   100   ACCEPTABLE   170   H900   155	NONE SPECIFIED   NONE SPECIFIED   CONDITION A NOT   100   ACCEPTABLE   170   170   1925   1155   11025   110	(CONDITION A NOT 100 (CONDITION A NOT ACCEPTABLE) 170 H900 155 155 H1026 145 H1075 125 125 125 125 125 125 125 125 125 12	NONE SPECIFIED   100   CONDITION A NOT   100   ACCEPTABLE   170   170   1425   145   11075   115   115   1100   115	NONE SPECIFIED   100   CONDITION A NOT   100   ACCEPTABLE   170   H925   155   H1025   H1075   125   H1150   H1150

NOTES: MATERIAL IN H900 AND H92S CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS

MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE

CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

PART NUMBER M174-R4 000 M174-H900-R2 500 M174-H1025-R3 250 M174-CONDA-R0 750

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REV. C SHEET 1 OF 1 COPPRIGHT 2005 BY DART AERCHARGE LTD DART AEROSPACE LTD PAWKESBURY, ONTARIO, CANADA DRAWING NO. MATZ-4-R 4 17-4 SS ROUND BAR DESCRIPTION TITLE 17.09.14 MFG. APPR. APPROVED CHECKED DE APPR REV. DESIGN DRAWN DATE **APPROVED** 

1 2017 -10-3 I

ELMIT-728

17.09.14 10.05.20

NO SA

ADDED MATERIAL COMDITION (CIRT7-107)
REFORMAT PROVE STYROGTYPE 850 ADDED TO
PURCHASE MATERIAL (ZN DB-1), ADD ASBEC (CB-1),
REF PAR 08-2004
REF NAT 08-2004

01

EXAMPLES: 0 PART 4.00° DIAMETER BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI 2.500° DIAMETER BAR H900 CONDITION 3.250° DIAMETER BAR H1028 CONDITION 0.750° DIAMETER BAR A CONDITION

#### MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M(7-			PO/BATCH NO.: 10040263/508414
MATERIAL CERT REC'D: Ves  QUANTITY RECEIVED: 12'  QUANTITY INSPECTED: 12'  QUANTITY REJECTED:			THICKNESS ORDERED: 0.750"  THICKNESS RECEIVED: D.750"  SHEET SIZE ORDERED: —  SHEET SIZE RECEIVED: —
DESCRIPTION	NC (Ch	eck	COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	N	N	
CORROSION	Υ	(N)	
CORRECT GRAIN DIRECTION	(1)	N	
CORRECT MATERIAL PER M-DRAWING	Ø	N	AMS 5643
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	HT: 95HO212-GEI
ORRECT MATERIAL IDENTFICATION	1	N	
CORRECT M# ON THE MATERIAL	Y	Ν	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	$(\mathbb{N})$	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ		

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.						
F	RECORD RES	ULTS BELOV	V			
	HRC	HRB	DUR A	DUR D	WEBSTER	
TYPE OF MATERIAL						
SIZE OF TEST SAMPLE						
HARDNESS / DUROMETER READING						

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: 4	SIGNED OFF BY:
DATE: 18/07/09	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Page 01 of 02

Certification Date 4-JUL-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44997-J

DEV: H900 L

PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number T381419

51.0558 SOLD TO: METAUX SOLUTIONS INC. SHIP TO: METAUX SOLUTIONS (RIVE-SUD) VENDU À: EXPÉDIÉ À: 2625 BOUL JACQUES CARTIER EST 2625 BOUL JACQUES CARTIER EST LONGUEUIL OC J4N 1L7 LONGUEUIL OC J4N 1 (17-4) SOL ANN CF BAR Description: ASTM A564 3-3/4 RD S/C 4'0" (48.0") Line Total: 150.36 LB HEAT: (746H) ITEM: 510558 Specifications: AMS 5643 V ASTM A564 T630 13 ASME SA564 T630 13 UNS S17400 EN 10204 3.1 AMS 2303 F ASTM A388 S1 CHEMICAL ANALYSIS C CB CO MN MO CR CU 0.02 0.026 0.024 0.219 15.33 3.02 0.76 0.06 P S SI NI TA TI CBTA 0.0139 0.58 4.18 0.021 0.005 0.002 0.2242 RCPT: R470620 COUNTRY OF ORIGIN : USA MECHANICAL PROPERTIES \_\_\_\_\_\_\_ YLD STR ULT TEN %ELONG %RED HARDNESS DESCRIPTION BHN IN AREA COND A 321 ULT TEN %ELONG %RED YLD STR HARDNESS KSI KSI IN 02 IN DESCRIPTION IN AREA

13.45

47.54

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

197.55

173.51

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession/Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-

JOANNE DESPRES

game Lesprei

**CUSTOMER ORDER NUMBER** NUMÉRO DE COMMANDE DU CLIENT Certification Date 4-JUL-2018

Page 02 of 02

44997-J PART NUMBER/NUMÉRO DE PIÈCE Invoice Number T381419

510558

SOLD TO: VENDU À: METAUX SOLUTIONS INC.

SHIP TO: EXPÉDIÉ À:

METAUX SOLUTIONS

(RIVE-SUD)

2625 BOUL JACQUES CARTIER EST

LONGUEUIL OC J4N 1L7

2625 BOUL JACOUES CARTIER EST LONGUEUIL OC J4N 1

Description:

Description: 17-4 SOL ANN CF BAR 3-3/4 RD S/C 4'0" ( 48.0")

ASTM A564

HEAT: 746H

ITEM: 510558

Line Total: 150.36 LB

MATERIAL IS FREE FROM MERCURY CONTAMINATION NO WELD REPAIR PERFORMED ON MATERIAL

MACRO: OK MICRO1: OK

COMMENTS

reduction ratio 5.3:1 melted and mfg in usa

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Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couveit par ce rapport rencontre les spécifications décrites cihaut.

JOANNE DESPRES

summe haufren

SPECIFICATION CONTROL DRAWING

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PURCHASE MATERIAL (17-4 PH / S17400 / TYPE 630 SS ROUND BAR STAMM MUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE 0

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SPECIFICATION:

AMS 5643 OR ASTM A564

PART NUMBER:

**6** 

M17-4- HHHHH- R XXXXX WHERE: HHHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW) COND (O.D. XXXX = DIAMETER (IN INCHES)

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MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	(CONDITION A NOT ACCEPTABLE)	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	(SOI UTION TREATED)		The state of the s

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS

MATERIAL IN H300 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE

CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

PART NUMBER M17-4-R4 000 M17-4-H900-R2,500 M17-4-H1025-R3,250 M17-4-CONDA-R0,750 PART 4.00° DAMETER BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI 2.500° DIAMETER BAR H900 CONDITION 3.250° DIAMETER BAR H1025 CONDITION 0.750° DIAMETER BAR A CONDITION

REV. C SCALE SHEET 1 OF 1 05.03.16 COPPERSYL C 2005 BY DART AEROSPACE LTD DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA NO DART AEROSPAC
NO HAWKEBURY, ONTARIO, C
CP DRAWING NO.
RA M17-4-R
WM TITLE
CP 1/7 15-4 SS ROUND BAR ADDED MATERIAL CONDITION (CIRTY-107)
THEORIAN TOWG, STROOPTIVE 600 ADDED TO
THE PORMARE MATERIAL (2N DB-1), AND A564 SPEC (CB-1),
RE PAR 00-0201A
NEW ISSUE 17.09.14 APPROVED DE APPR. MFG, APPR. CHECKED DESIGN DRAWN **APPROVED** 

11 207 -10-31 C

ELN17-728

NO 17.09.14 10.05.20

82

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NTS

EXAMPLES:

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#### MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4-4908-R3.750  DATE: 18/07/04	PO/BATCH NO .: POSMO263/50899 13
MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:	THICKNESS ORDERED: 3.750" THICKNESS RECEIVED: 3.750" SHEET SIZE ORDERED: SHEET SIZE RECEIVED:

DECORIDATION		CR	
DESCRIPTION		eck N)	COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	(Y)	N	
CORROSION	Υ	N	
CORRECT GRAIN DIRECTION	(1)	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	AMS 5643
CORRECT THICKNESS	V	N	
PHOTO REQUIRED	Y-,		
CORRECT REF # TO LINK CERT	Y	N	MT: 746H
CORRECT MATERIAL IDENTFICATION	(Y)	Ν	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE			
ENGINEERING SIGN OFF	Υ	(N)	
DOES THIS REQUIRE AN			
EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF	MATERIAL A	ND PREFOR	M A HARDNE	SS CHECK.	
F	RECORD RES	SULTS BELOV	N		
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		-	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	Ar	<b>38</b> 9-89	SIGNED OFF BY:
DATE:	18/07/09		DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Page 01 of 02

Certification Date 4-JUL-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44997-J

508909

PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number T381420

SOLD TO:

METAUX SOLUTIONS INC.

SHIP TO: EXPÉDIÉ À:

METAUX SOLUTIONS

(RIVE-SUD)

VENDU À:

2625 BOUL JACQUES CARTIER EST LONGUEUIL OC J4N 1L7

LONGUEUIL QC J4N 1

2625 BOUL JACOUES CARTIER EST

Description:

803) HR ANN RT BAR

ASTM A582

Line Total: 200.46 LB

5 RD S/C 3'0" (36.0") HEAT: (754F)

ITEM: 508909

Specifications: AMS 5640 TYPE 1 V ASTM A484 16

ASTM A582)12 OOS 764B COND A

EN 10204 3.1B ASTM A751 14A

CHEMICAL ANALYSIS

C 0.0360

CO 0.12

CR 17.07

CU 0.27

1.89

MO

N

NT

P

S

SI

0.289 0.038

0.03

0.62

RCPT: R450088

0.2685

COUNTRY OF ORIGIN : USA

MECHANICAL PROPERTIES

DESCRIPTION

YLD STR KSI

ULT TEN KSI %ELONG

%RED IN AREA

HARDNESS

41.0

80.0

IN 02 IN 53.0

59.0

BHN 142

STRAND CAST

MATERIAL IS FREE FROM MERCURY CONTAMINATION NO WELD REPAIR PERFORMED ON MATERIAL

COMMENTS

melted & mfg: usa

complies with requirements of dfar 252.225-7009.

directive 2011/65/eu robs
The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites cihaut.

JOANNE DESPRES

guma Krespreis

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT Page 02 of 02

Certification Date 4-JUL-2018

Invoice Number T381420

44997-J

PART NUMBER/NUMÉRO DE PIÈCE

508909

SOLD TO: VENDU À:

METAUX SOLUTIONS INC.

SHIP TO:

EXPÉDIÉ À:

2625 BOUL JACQUES CARTIER EST

LONGUEUIL QC J4N 1L7 METAUX SOLUTIONS

(RIVE-SUD)

2625 BOUL JACQUES CARTIER EST

LONGUEUIL QC J4N 1

Description:

eaf+aod+cc

303 HR ANN RT BAR

5 RD S/C 3'0" ( 36.0") HEAT: 754F

red ratio: 3.0:1

ITEM: 508909

ASTM A582

Line Total: 200.46 LB

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou fraudulenses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites cihaut.

JOANNE DESPRES

garne Despress

2010-02-02

DART AEROSPACE LTD
HAWKESBURY, ONTAPY: CYMADA
DRAWING NO.
M303R SHEET 1 OF 1 01 12.20 DATE 10 01:05 303 ROUND BAR
copyright or an evidence up CP 75 REFORMATION AND SPECS (ZN 08-1)
REF PAR 09-522A
A
REVISSUE 10.01.05 DESIGN CHECKED
WFG. APPR.
APPROVED
DE APPR.
DATE 10.0

PURCHASE MATERIAL: AISL 303SS ROUND BAR (NOTE: AISL 304/316 NOT ACCEPTABLE)

ASTM A582

M303RID.DDD

PART NUMBER

WHERE "D DDD" = DIAMETER IN INCHES EG 0.75" ROUND BAR = M303R0.750

SPECIFICATION:

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SPECIFICATION CONTROL DRAWING

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#### MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 307		000			PO / BATCH NO	: <u> </u>	263/8089410
MATERIAL CERT REC'D: 21 QUANTITY RECEIVED: 31 QUANTITY INSPECTED: 0				THI	CKNESS ORDEREI CKNESS RECEIVEI EET SIZE ORDEREI EET SIZE RECEIVEI	0: <u>5.000</u> 0:	
DESCRIPTION	,	CR eck			COMMENTS		
SURFACE DAMAGE	Υ	(N)					
CORRECT FINISH	W	N					
CORROSION	Υ	(N)					
CORRECT GRAIN DIRECTION	(Y)	N					
CORRECT MATERIAL PER M-DRAWING	W	N					
CORRECT THICKNESS	(Y)	N					
PHOTO REQUIRED	Y	(N					
CORRECT REF # TO LINK CERT	(Y)	N					
CORRECT MATERIAL IDENTFICATION	W	N					
CORRECT M# ON THE MATERIAL	Y	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	0					
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(3)					
		0					
CUT SAMPLE PIECI				ND PREFO		CHECK.	
			HRC T	HRB	DURA	DUR D	WEBSTER
TYPE OF MATERIAL SIZE OF TEST SAMPLE							
HARDNESS / DUROMETER READ!	NG						
	t	esters	located in	the Quality Of	fice		

QC 18 INSPECTION			ENGINEERING SIGNOFF (if required)
INSPECTED BY:	Ar	DAS 38	SIGNED OFF BY:
DATE:	18/07/09	8-00	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



## Service Center Metals

Prince George, VA 23875 5850 Quality Way

CERTIFIED INSPECTION REPORT AND TEST RESULTS

FOR EXTRUDED PRODUCTS

MANIFEST NUMBER

DIE NUMBER

6061-T6511 MRB0715 ALLOY LIEMPER ALREC00834 5400404993 CUSTOMER PART NUMBER

CUSTOMER PO

MQRB 3.000x5.000

6/15/2018 DATE OF SHIPMENT

953978 CERTIFICATION

OUR ORDER NUMBER

ASTM-B221-14 StencilCont

SAE AMS-QQA-200/84 Stabilized SPECIFICATION

D.Schroeder (Canada)

SALESPERSON

RoHS 2011/65/EU Compliant

revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Hems produced and certified as 6061-T6511 also meet the requirements of 6061-T6. We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification

5pcs

1,066 lbs

Quantity Certified

SHIP TO

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

SCM is ISO 9001-2015 certified

This product is RoHS-2. REACH, and DFARS compliant.

-	ı	
Mechanical Properties	Lot No.	201811156
Mecha	Tests	~

Percent	max
longation	15.8
Flori	min 15.80
rength	max 45.80
Yield Strength	min
(KSI)	45.80
Tensile	max
1 (KSI)	50.60
Ultimate Tensile	min
Strength (KSI)	50.60
Test Date	6/13/18

15.80

max

gation

Chemical Composition for Aluminum Alloy 6061	oniposino	A JOI H		ım Allo	y 6061	٦							
Cast#	Lot No.	Alloy	<i>ତ</i> ା	<u> </u>	Ö	M	Mg	히	Zu	H	AL	Ott Each	Others
001K180531B 201811156 001M180523B 201811156	201811156	6061	0.74	0.40	0.37	0.10	0.90	0.11	0.08	0.03	97.33	0.05	0.15

SCM products are melted and extruded in the USA

Calvin J. Wiggins, Director of Quality & Technical Services

- 100 to 100

Rev 3/14/2018

Print Date: 6/15/2018

United States of America United States of America

Melt Source:

RELEASED 2009 - 03- 03

SHEET 1 OF 1 REV. B 09.07 13 05 01.08.08 COPPRIGNT 0 2001 BY DART AEROSPACE LTD DATE DART AEROSPACE LTD
HAWKESBURY, ONTARYO, CANADA
DRAWING NO.
M6061T6B 3 В REMOVE 00.4-250/11 ОРТЮН, REFORMAT NOTES, ADD ASTM B211(2N D7-1)
A NEW ISSUE 6061-T6 BAR DE APPR. DATE 09.07.13 MFG. APPR. APPROVED CHECKED DESIGN DRAWN REV.

×

QQ-A-225/8 OR AMS-80-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160) OR ASTM B211 OR ASTM 8221 PURCHASE MATERIAL: 606 TOT651/T6510 T651 1 T62 ALUMINUM BAR M6061T6B T.TTT X WW.WWW SPECIFICATION: PART NUMBER: **(9**)

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SPECIFICATION CONTROL DRAWING

WHERE "T.TTT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES WIDTH THICK

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E.G. 1.0" X 12.0" BAR = M6061T6B1,000X12.600

#### MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MG61		3.000	PO/BATCH NO .: 10 040263/508
DATE: 19/07	709		_
MATERIAL CERT REC'D: Ves			THICKNESS ORDERED: 7 000"
QUANTITY RECEIVED: 61			THICKNESS RECEIVED: 3,000 "
QUANTITY INSPECTED: 6			SHEET SIZE ORDERED:
QUANTITY REJECTED: 0 %			
QUANTITY REJECTED: V %			SHEET SIZE RECEIVED:
		CR	
DESCRIPTION	1 '	eck (N)	COMMENTS
SURFACE DAMAGE	Y	(A)	
CORRECT FINISH	(8)	N	- Vitalian Control of
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	(8)	N	
CORRECT MATERIAL PER M-DRAWING	N	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	(V)	N	
CORRECT MATERIAL IDENTFICATION	Y	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF %	Υ	(2)	
DOES THIS REQUIRE AN	'	(I)	
EXTRUSION REPORT	Υ	N	
CUT SAMPLE PIECE			L AND PREFORM A HARDNESS CHECK.
	- 1		ESULTS BELOW
EVEL OF MATERIAL			HRB DUR A DUR D WEBSTE
TYPE OF MATERIAL			<del></del>
SIZE OF TEST SAMPLE	NC		
HARDNESS / DUROMETER READI	NG		

OC 18 INSPECTION

INSPECTED BY:

DATE: 8/57/21

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY:

DATE:

testers located in the Quality Office

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in